AMERICAN DRUGGIST

AND

PHARMACEUTICAL RECORD

A Monthly Illustrated
Journal of Practical Pharmacy

CASWELL A. MAYO, Ph.G.,
EDITOR

Volume LX. January to December, 1912

OHIO STATE UNIVERSITY

NEW YORK:
PUBLISHED BY AMERICAN DRUGGIST PUBLISHING CO., 62 TO 68 WEST BROADWAY,

1912.

RS1*
A515
v.60

OHIO STATE
UNIVERSITY

INDEX TO VOLUME LX.

PAGE

Abel, Dr. J. J., portrait.....406
Absorption of ointments... 19
Accounts, handling charge.....248
A C E mixture..... 11
Acetic ether, preparation of.....338
Acid, benzoic, iodometric estimation of 338
formic, quantitative estimation of 151
gallic and extract belladonna suppositories 334
rheinoleic 107
tannic and extract belladonna suppositories 334
uric estimation of in the blood 338
wart 11
Acidum silicum solubile.....529
Activity of certain drugs, variations in the 369
Adonis vernalis 112
Adulteration, alleged..488, 514, 534
decrease in drug.....188
Advertisement, cleanliness the best 274
sign, largest in the world.....158
Advertisements, living up to.... 5
store news as..... 3
Advertising by balloon..... 29
candy 157
buying 514
current newspaper 197, 287
drug, improvement in.....490
ideas 21
personality a factor in.....533
prescription department..... 9
soda 31, 346
trade paper, helps sales.....117
Ailes, Robert B., portrait.....213
Alabama pharmaceutical association 312
Alaska toddy or hot klondike...496
Albumin and iodolecithin, combination of 153
Alcohol, recovered, not to be taxed 87
tax case, Hance Brothers & White in 20
wood, in medicinal preparations barred in New York City 86
Alcoholic preparations, assay of, for methyl alcohol, acetone, etc. 479
Alkaloids, plant functions of....103
Alkanet and annato.....193
Alleged adulteration 422
Almonds, fresh sweet.....430
Aloes, the high price of.....423
Alloys, acid proof iron.....526
Alsberg to succeed Wiley.....512
Alt, Leo M., portrait.....122
sanitary fountain.....252
Althouse, Frank G., portrait....307
Aluminum, estimation of.....437
pencils for china.....428
soldering 439
Alumni ball, seventeenth annual, New York 87
Amarol 485
American chemical society, annual meeting of..... 45
American Druggists' Fire Insurance Company 364
pharmaceutical association 300, 356, 383, 455
at Glacier Lake.....392
officers elect 39
presidents 317
Ammonia, aromatic spirit of....102
Ammonium hypophosphite, syrup of 62, 370
Am-o-tone 485
Amphotropin 438
Ampul filler, a new..... 63
Anaesthetic mixture, A C E.... 11
Andere zeiten, andere leute, Bodemann 101
Anderson, P. E., portrait.....504
Dr. W. C., portrait.....408
Anglo American research laboratory in the Soudan..... 14
Animal oil.....377
Aniseed, sources of.....329
Annato and alkanet.....193
Ant exterminator.....284
Antidote, arsenic, modified formula for 276
Antiseptic dental cream.....336
Antitoxine, free, abuse.....180
Ants, getting rid of.....284
using as drug collectors.....144

PAGE

Apis, fluid extract of.....284
Apomorphine and codeine.....193
Apothecary's poem, the..... 53
Apparatus, patenting pharmaceutical 67
Aqua fluoroformini 486
Argentina, proprietary medicines in 464
trade mark rights in.....178
Arkansas association 264
Arkansas, registered in.....542
Armstrong, T. S., Plainfield store of.....218
Army, pharmacy in the British.239
pharmacist, the 96
Arny, H. V., color standards...520
H. V., National Formulary color standards 55
portrait 404
Aromatic castor oil..... 11
spirit of ammonia.....102
Arsenic antidote, modified formula for 276
triiodide of 286
Arsenical poisoning, new source of 196
Artemisia frigida.....427
Asafoetida and allied products, a study of the lead number of, E. C. Merrill.....481
Aspirin, soluble.....438
Assistants, drug store.....317
Association, see under name of..464
meetings, does it pay to attend 367
Autobiography of a druggist, Symington, 9, 64, 106, 146, 190, 239, 280, 327, 374
Avignone, Frank, portrait.....304

Bacterial vaccines 353
Bacteriological and microscopical laboratory for the pharmacist, Schneider ...139
plan of 139
Baldness and dandruff, euresol for 486, 531
treatment of 486
of 486
Balkan war and the drug trade..465
Bangs, Charles Hoyt, obituary..458
Baskerville, Charles, on municipal chemistry 148
honors for 313
Bath salts 527
Baur, Jacob, obituary.....361
Bay, swamp.....428
Beal, James H., portrait.....384
Bean, J. Arthur, obituary.....509
Beauty and health secrets.....485
Bedwell, Charles E., portrait..... 50
Beef drinks, hot.....495
tea, hot..... 76
Belladonna culture in California.526
extract and gallic acid suppositories 334
a new adulterant of..... 12
Bernthsen, Dr. A., portrait.....404
Benedict's solution.....110
Benkhardt, G. H., tracing inquiries 118
Benzoic acid, iodometric estimation of 338
Bicycle in Europe, a pharmacist on a.....375
Bigelow, C. O., portrait.....304
Dr. W. D., portrait.....403
Bile in the urine, some tests for 378
Birmingham, two new wholesale druggists in 79
Biroth, Henry, obituary.....265
Bismuth 66
Bissell, W. B., portrait.....304
Blackberries, fresh at the soda counter 349
Black sage, flowering plant of the 427
Bloch, J. M., on the circulating library in the drug store...338
Blood purifiers.....182
Blood tests, modification of the.337
Board examinations.....166
questions and answers, 19, 32, 77, 127, 207, 255, 298, 381, 497, 540
answered, John Helfman....148
Boards, interstate association....299
of pharmacy, National Association of 401, 455
Bodemann, Wilhelm, andere zeiten, andere leute.....101

PAGE

Bodemann, Wilhelm, the German drop 112
portrait 101
reflections of a pharmacist....144
Bogert Prof. Marston Taylor, portrait sketch 267
Boils, treatment of.....107
Bolle, Frank, portrait.....222
Bone articles, whitening.....149
Bookkeeping, bookless, Goodwin 341
Books of the business.....466
Bottle capping mixture, gelatin. 67
wax 67
tops, sealing wax for..... 67
Bottles, cleansing soiled.....530
poison, of Great Britain.....104
Boughton, E. W., portrait.....403
Bouillon, hot beef..... 76
hot tomato 76
Bourrache 244
Bowlers, Baltimore, beat Philadelphians 130
Bowling association, new officers of American drug trade.....213
Bowls, crushed fruit.....345
Bradley, R. H., portrait..... 50
T. J., portrait.....217
Bradt, Warren L., portrait sketch 254
Brass polish 108
Braswell, Idelle S., portrait....217
Bread, sterile, is.....196
Bresler, S. L., portrait.....387
Bretcher's drug store..... 30
British Columbia Association...312
Pharmaceutical conference 318, 350
navy, pharmacy in the.....425
Bristles, stiffening of hair brushes 149
Brooklyn college ball.....216
pharmaceutical association, 83, 215, 216
Broth, clam 76
Brown, Linwood A., on card index in the drug store.....143
Brown, L. W., reappointed to New Jersey board.....170
aromatic spirit of ammonia...102
Brushes, stiffening bristles of hair 149
Bryony root, constituents of.....152
Buchbinder, H. E., co-operative results on morphine estimation 481
Buchu, klip.....277
Buchu, sources of.....329
Buck & Raynor's store.....203
Buckthorn berries, syrup of.....432
Buffalo druggists discontinue pay station 38
Bumping in boiling liquids, prevention of..... 13
Burn remedy, Rice's.....531
Business books.....466
building...21, 154, 197, 287, 440, 490, 533
do you know your.....227
management 440
new 420

Cactus grandiflorus, tincture of 11
Cade retroxolin 8
Caffeine, coffee without 426
toxicity of 181
Cahoon-Lyon Drug Company's fountain 119
Calabar beans, the chemistry of.111
Calamine and carmine.....150
Calcagno, Victor, portrait.....304
Calcium formate 354
hypophosphite, estimation of 337
California, registered in, 128, 382, 499
Campbell bill 35
George M., portrait.....308
Camphor, co-operative work on the determination of, E. K. Nelson 481
cream of 370
determination of 19
new sources of 196
suppositories 111
Canada, proprietary medicines must be registered in, annually 170
Canadian association 464
Wholesale Druggists' Association 311
Canadium 378
Cancer, diagnostic test for.....286

PAGE

Cancer, new antiserum for....135
treament for 438
Candy advertising 157
as food, Henry D. Wilson 120
chemist, the, L. Lodian.....428
digestive 376
eaters, great.....136
food value of..... 4
licorice the oldest in world 479
medication 425
profits 224
the humor of 428
Canning crushed fruits 292
Cantharides, sources of.....329
Canthrox 485
Capsules of ammoniated tincture of quinine 15
Caramel, adulteration of 438
tincture of 432
Carbon dioxide crayons 196
new form of solid.....328
Carbonator, hand power.....250
Card index in the drug store, Linwood A. Brown.....143
prescription record 9
Cardamoms, sources of 329
Cards, display, how to make....492
show and show card writing, F. T. Gordon 113
Carelessness, criminal 466
Carlsbad salt, granular effervescent artificial 45
Carmichael, Thomas H., on homeopathic pharmacy 231
Carmine and calamine 150
Carpenter, William A.....307
Caspari, Charles, jr., portrait...209
presentation to 44
Castor oil, aromatic 11
as suppositories.....334
sources of 329
tasteless 333
Castoreum, sources of.....329
Castrole 485
Cedar wood, oil of 285
Celluloid, solvents for 337
Cement, dental 529
for general use, a cheap....150
waterproof plaster of Paris...285
Chambers of commerce, international congress of 454
Chamomiles, sources of.....330
Chapman, George W., portrait.. 88
Charge accounts, handling.....248
Chavosot 337
Cheese, carbonated 374
Chemical industry, latest achievements and products of.....372
Chemistry, congress of applied..423
dictionary of applied, Sir Edward Thorpe 181
medical 100
municipal 148
rewards of 52
Simon's manual of.....532
Chemotherapy for malignant growths 51
Chesnut, V. K., on the determination of small quantities of pepsin in liquids.....481
Chests, medicine, how I made money in 199
Chicago, A Ph. A. holds meeting 44, 83
association, officers for..... 44
Children, labor law and employment of 489
Chillies, Japanese, the source of 355
Chiris and Jeancard fils consolidated 262
Chloroform, estimation of, in chloroform liniment 378
form in 378
Chyluria 195
Cinchona, liquid extract of..... 11
Circulating library, how I make money on my own, Charles Minarcik 234
in the drug store, 59, 146, 273, 338
Cinematograph films, keeping warm 17
Cinnamon, Ceylon, original packages of.....329
sources of 330
Citrox 485
Claus, O. F., portrait.....387
Cleaning metal surfaces 485
Cleanliness the best advertisement 274
Cleansing soap paste.....109

124819

PAGE

Clerk, I'd rather have the.....520
Cleveland school, new dean of.360
Cloughly, O. J., on canning crushed fruits 292
Coal tar solution.....11
Cobalt test for hydrogen dioxide, a modified 152
Cocaine, permanganate test for..153
salts of 12
Cocculus indicus, tincture of....62
Cochineal, sources of.....330
Codeine and apomorphine.....193
Codeonal 337
Codliver oil, sources of.....330
Coffee, hot.....447
without caffeine 426
Cold cream, greaseless disappearing 529
Collargol and hydrogen dioxide 337
College of Pharmacy, a Filipino 45
Collodion, flexible and corrosive sublimate 111
Color standards, Arny on.....520
for the National Formulary 55
Colorado pharmaceutical association 311
Colorado, registered in.....78, 364
Commercial pharmacy, a treatise on, Chas. D. O'Connor 179
Commercial rating, importance of 465
travelers' auxiliary of the New York state pharmaceutical association, members of 303, 304
Commercialism in pharmacy.... 6
Compensation of pharmacists...323
Condensed milk in ice cream prohibited 165
Confectioner's gas stove.....344
Conference, British pharmaceutical 318
of pharmaceutical faculties....400
New York 546
and telephones 1
Congress of applied chemistry, eighth international....423, 402
of hygiene, international.....464
of pharmacy, eleventh international 451
Connecticut Pharmaceutical Association 306
Cook, F. C., portrait 403
Cooking pan, copper.....344
Cooper, Z. M., portrait.....388
Copper sulphate, painless pencils of 286
Copyrights and trademarks..... 18
Corks, cleaning used.....244
handy device for shaping.....483
cutting 488
Corn exterminator 486
remover, liquid 486
Corrosive sublimate and flexible collodion 111
Corrosive sublimate, solubility in oils 531
in oily prescriptions 435
Costs and profits, how to figure 22
Cowan, George J., on to keep windows from frosting..... 72
Cox, J. Harry, portrait..... 82
Crackers with hot drinks.....538
Cream of camphor.....370
cucumber toilet 332
dental 336
antiseptic 336
rolling massage.....110
shaving 377
toilet, difficulty with.....435
witch hazel toilet.....332
zinc 530
Credit, concerning 107
Cremules 337
Creosote petroxolin 8
Crushed fruit bowls.....345
fruits, canning 292
displaying 345
peaches 347
Cuba, drug legislation in.....544
Cucumber toilet cream.....332
Cudbear, alcoholic tincture of.. 11
Cuticura ointment.....335
Cyrus' pretty fountain.....165

Dambergis, A. K., pharmacy in Greece 517
Dandruff and baldness, treatment of 112, 486
cure 16
Dart, George, portrait.....265
Davis, Lewis H., portrait.....307
Dawson, Edward S., portrait....304
Day dreams, Ed. E. Williams..314
Day, W. B., portrait.....356
Death, the price of.....469, 531
Delaware association.....267
registered in 361
Dental cement 529
cream 336
disinfectant, trikresol.....141
Dentifrice, formaldehyde 63
Denver, a rough house at.....505
branch, officers for..... 36
meeting of the A. Ph. A.....365

PAGE

Deodorant powders for excessive perspiration 335
toilet powders 332
Depilatory, dry 16
French surgical 16
hospital 16
mixtures 16
Depuy, R. W., portrait.....302
Detroit Drug Company store...205
Dickinson, C. P., portrait.....302
Dictionary of applied chemistry, Thorpe's 489
of trade names.....489
Diehl, Lewis 356
Dieckman, George C., portrait...304
Digestive candy 376
Digitalis, activity of.....110
infusion of 18
series, the heart tonics of..... 60
squill and mercury..... 11
strophanthus and squills, keeping qualities of.....353
Disappearing cold cream.....529
Disinfecting tooth brushes.....140
Dishes, ice cream 345
Display cards, how to make, Franklin Myers 491
Displays which provoke curiosity, W. A. Humphries.....159
District of Columbia, registered in 78, 208
Diuretin prescription 15
Dobbs, S. C., portrait.....503
Doctor and druggist.....137
Doctors, impure drugs dispensed by 272
Dohme, Dr. A. R. L., portrait.. 80
Doliber, Thomas, obituary.....312
Donnell, C. Philip, portrait..... 88
Douden, Edwin, obituary.....459
Dragon's blood, sources of.....330
Dress, the market value of.....470
Dreuw's cement paste.....370
Drinks, high class, bring high class custom.....125
Drop apparatus, normal 63
bottle, a normal.....188
the German, Wilhelm Bodemann 112
Drops, eye, prescription for....437
Drug business, getting wise in the 468
culture in the United States, 137, 352
market, London....185, 236, 329
markets of the world, 53, 58, 129
store stock, system in arrangement of 289
Drug store, too much cleaning in 512
Druggists, twenty-five, and their incomes, Harry B. Mason...477
containers 365
Drugs and chemicals, a lexicon of 148
tariff revision of.....513
Drugs, growing 522
impure, dispensed by doctors.272
interesting collection of.....506
sophistification of 352
Drying apparatus, a new.....479
Duisberg, Carl, on the latest achievements and products of chemical industry 372
Dr. Carl, portrait.....403
Dunlap out of board of food and drug inspection 462
Dunn's pure food and drug legal manual 424
Dusting powder for tired feet...332
Dyer bill 34

Ebbitt, William H., obituary...510
Eberle, Eugene G., portrait..356
Ebers, papyrus, the 471
Eckstein, Sol. A., portrait.....311
Eddy, Earl D., on orders vs. promises 160
Edinburgh meeting of the British pharmaceutical conference 351
Effervescent salts, formulas for..145
Egg drinks.....346
Eggert's, W. F., popular Louisville store 126
Electric freezer and crusher....296
urn 447
Elixir of iron, quinine and strychnine phosphates, color of 194
Emery, W. O., report on headache mixtures 481
Employers' liability and workingmen's compensation 469
Emulsin, action of, upon gentiopicrin 285
Emulsions, English method and continental method of making 195
England, Joseph W., portrait....386
Enzymes in vinegar 10
influence of light upon the....110

PAGE

Epilepsy cure 529
remedy for 436
Epinin, solution of.....151
Eptol 485
Ergot of rye, sources of.....330
standardization of 334
Erythrophloeum guineense.....487
Essence of pepsin, turbid.....377
Essential oils; their constitution and commerce, John C. Umney 325
Esters, commercial 355
Estragol, methyl ether of.....337
Etching fluid for damascening steel 149
Ether, acetic, preparation of.....338
intramuscular use of.....378
solubility of, in normal saline solution 353
Ethyl and methyl alcohols, refractive indices of aqueous solutions of 482
Ethylene dichloride, a solvent for rubber.....285
Eucalyptol petroxolin..... 8
Eucalyptus oils, novel use for...144
Euresol 436, 531
European pharmacy, a financial crisis in 318
Euston's syrup of hypophosphites 531
Evans, Sir Edward, honored....266
portrait of 350
Explosions, soda water tank, cause and prevention of.....348
Exports, drawback on 49
Extract hamamelis aquos.....336
liquid of cinchona..... 11
Extracts, alteration in solubility of solid.....151
Extractum matris secale..... 17
Eye drops, prescription for.....437
lotion recipe, dangerous.....435
removing foreign bodies from the 194

Fairchild, Henry B., portrait...265
lectures 316, 328
Fairchild, Samuel W., portrait..326
Farrington, Frank, how others advertise.....21, 197, 287
odds and ends of store management 71
practical salesmanship 339
snap shots 24
the trade paper's value, 154, 155, 156
Faxon, Frank Allen, obituary, 420, 458
Feet, dusting powder for.....332
Fermentation, influence of phosphates on alcoholic 145
Ferric formate 354
Ferrous formate 354
Field, A. C., portrait.....308
Fire insurance, pointers on.....433
Fireproofing window dressings..249
Fires, guarding against..... 2
Fish berry, tincture of..... 62
Flavoring extract manufacturers' banquet 261
Flexible mirrors for show windows 293
Floor wax and polish 109
Florida pharmaceutical association 311
sponges 25
Fluid extract of apis.....284
preparation of Kaiserling 13
Fluoroformwasser 486
Fluoryl 486
Forbrich's, Joseph, store, Chicago 291
Ford, Charles M., portrait.....384
Foreign pharmacists in New York, registration of.....439
Formaldehyde dentifrice 63
deodorant lotion 332
disguising odor of 109
in formol, the determination..151
toilet powders.....332
Formates, commercial 354
Formic acid, the quantitative estimation of.....151
Formol, the determination of formaldehyde in 151
Formula, publication of the..... 20
Formulas, miscellaneous 11
national formulary 191
seasonable 519
Forrester, George P. and Peter MacEwan on variations in the activity of certain drugs.369
Fountain, a good advertisement.121
making money with a suburban 252
to make pay.....123
Fountains, rich simplicity in....163
Fox, Charles D., portrait.....355
Freezer and crusher, combination 296
belt driven power 297
electric 296
platform hand 295

PAGE

Freezers, brine 297
Frerichs, Dr. George, Waaren lexikou 148
Dr. Heinrich Waarenlexikou..148
Friedman, Henry M., legal aspects of pharmacy.....321
Fritz, Samuel H., advice to students 532
Fruit, autumn, specialties.....447
stains, removing 333
Fruits, crushed, canning.....292
Furniture polish, liquid veneer..283

Gallic acid and extract belladonna suppositories 334
Gamble, Stewart, portrait.....414
Gamboge, sources of 330
Gas drum and pressure gauge...251
generator, new.....282
mantles, how to keep them bright 485
Geare, R. I., on economic possibilities of three wild aromatic plants 427
Gelatin bottle capping mixture...67
Georgia Pharmaceutical Association 310
pharmacists registered in.....299
Gerity, William Scott, obituary.265
German apothecaries' society, 80, 546
sixtieth anniversary 40
Gerhardt, C. F., portrait.....236
Get-together method, another, Frank B. Kirby 482
Gilding glass 527
Ginger peaches 347
Glass, gilding 527
Ginseng cultivators 245
Gleim, Francis H. E., portrait..307
Glue for greasy paper.....153
Gold plating for steel.....534
Godbold, F. C., portrait.....222
Godding, J. G., portrait.....383
Goodwin, Frank E., bookless bookkeeping 341
gross profit a delusion and a snare 246
Gordon, Frederick T., how other merchants advertise.....442
portrait 390
show card writing...74, 113, 201
Gout pills 529
Grass stains, to remove.....333
Greaseless cold cream.....529
Grease from wooden counters or floor, removing 474
Greasy paper, glue for.....153
Greater New York pharmaceutical society meets.....216
Greece, pharmacy in.....517
Green apple time: a "colic cure" window 349
Guaiac, syrup of.....284
Guaiacol petroxolin..... 8
and thiocol, differentiation between 282
Guerin, J. F., portrait 408
Gum arabic, a quickly soluble...103
sources of.....330
benzoin, sources of.....330
Guy's pills 11

Hagenow's ethical pharmacy... 91
Hair dye, estimation of pyrogallol in 153
primal, a new harmless..... 19
dyes 431
tonic 432
quinine 15
tonics 150
perfume for.....151
Hamamelis, a test for the fluid extract of 151
aqueous, extract 336
Harbord, Miss Kittie W., portrait 401
Harfman, Harry, whisk broom window display..... 29
Harrison opium bills revised, 360, 366
Haskin, C. H., portrait.....304
Haslar naval hospital.....425
Hatcher, Robert A., What the physician has to say to the pharmacist 229
Haye's red lotion 193
Headache mixtures, report on, W. O. Emery.....481
Health and beauty secrets.....485
Heat evolved in making sodium iodide solution 111
retaining liquids 17
Heffner, Edgar F., portrait 307
Helfman, John, board questions answered 148
Hemorrhoids, two efficient applications in 439
Hendricks, Elmer, chorus and ballet of the Ions.....242
Hillebrand, Dr. W. E., portrait.493
Hirseman, Mrs. Jesse Sophie, obituary 132
Historical section of A. Ph. A..455

PAGE

Historical window display.....294
Hoelzer, B. A. C., sketch of store of..... 22
Homeopathic pharmacy, Thomas H. Carmichael 231
pharmacopœia, recognition of. 84
Honey, sources of 330
Hoover, G. W., on medicated soft drinks 480
Hopkins, J. L., & Co., acquitted.262
Horlick, A. J., portrait.....503
Hospital, Herbert 240
Hot drinks, serve red hot..... 76
soda hints 539
in St. Louis..... 30
menu 446
question, Ed. Ward on 378
water urn, making good with, Ed. Ward 378, 445, 495
Hottinger's, Otto, drug store, and portrait 246
Houghton, E. M., on physiological testing,.. 7, 35, 60, 141
Hover, W. A., portrait.....387
How others advertise 21, 442
Howard, Mrs. Carrie E., obituary 42
Huhn, Charles H., portrait.....414
Humphries, W. A., a Washington's birthday window..... 72
displays which provoke curiosity 159
an Easter window.....129
window display an index of the character of the store...349
window display of sponges, towels and chamois skins....293
Hunt, Dr. Reid, portrait 405
Hurley, John, portrait.....304
Hutchins, Lee M., portrait.....503
Hyde, Byron M., portrait.....304
Hydrastis, a reaction of 151
Hydrogen bisulphide generator.282
dioxide 152
a cobalt test for modified..152
and collargol.....337
Hymans, Herbert, portrait.....236
Hynson, Henry P., on the college graduates and the Maryland board 286
Hypophosphites, Eastern syrup of 531

Ice cream chocolate 297
dishes 345
salt in 474
school, a university..... 36
supply 295
crusher 296
Idaho association 264
Illinois, registered in, 78, 167, 382, 504
Incandescent lamps, tungsten for 485
Incomes of druggists.....477
Indelible ink 11
Indian sage 194
Indiana board questions.....497
pharmaceutical association....310
Infusion of digitalis 18
Ingram, Frederick F., on the parcels post a benefit to the retail druggist 474
portrait 171
F. F., jr., portrait.....171
jubilee, an 171
Ink, indelible 11
for lettering show cards.....114
for typewriter 17
Inking typewriter ribbons..... 17
Inks, fountain pen.....115
papers and mucilage as money makers 115
Inquiries, tracing, Benkhardt....118
Insect flowers, Dalmatian.....329
sources of.....331
Insecticides, important decision affecting 172
Insects used in pharmacy..... 57
Insurance, national health.....515
International congress of applied chemistry, eighth 402
Interstate association boards of pharmacy 32
sale of narcotic drugs.....366
Iodine and nascent oxygen, practical method of administering inhalations of 378
petrox 285
petroxolin 8
tincture of and the Fourth of July 226
why tincture of, alters..... 13
Iodolecithin and albumin, combination of 153
Ions, chorus and ballet of the, Elmer Hendricks 242
Iowa pharmaceutical association.355
registered in....36, 128, 208, 299
Ipecacuanha, canvas covered bales of 329
Iron alloys, acid proof.....526
sources of 331
Iris, constituents of 147

PAGE

Iron perchloride solution 354
acid alloys of.....526
Italian pharmaceutical association of New York at Mouquin's 175
pharmacy bill, new 270
Italy, new pharmacy regulations in 271

Jackson, W. R. portrait.....302
Jones, A. H., portrait.....416

Kaiserling fluid 13
Kebler, L. F., on report on medicinal plants and drugs 480
Kansas, registered in..128, 256, 264, 542
Kelp beds of the Pacific.....235
Kentucky association 306
registered in 78, 299
Kenyon bill 35
Kerosene, perfume from 144
Kiepe, Edward J., obituary.....544
Kieselguhr 18
Kings County Pharmaceutical Society meeting 41, 171, 216, 266
Kirby, Frank B., on another "get-together" method ..9, 482
Kissingen salt, granular effervescent artificial 145
Klein, Carl H. Von, on the Papyrus Ebers 471
Kline, C. Mahlon, portrait 50
Klip buchu, William Mansfield on 277
Klippert, C. F., portrait.....546
Koch, Felix J., on specializing in window display 198
Koch, J. A., portrait 386
Konetzky drug company store. .206
Harry S., portrait 124
Kresatin 437
Kuolos, or Chinese fruit sugar.429

Label on the bottle, the 419
Labels, to affix 432
Labor law and employment of children 489
Laboratory, bacteriological and microscopical for the pharmacist 139
Lacto 204
Lamb, Thomas, on the proposed amendment to the constitution of the New York pharmaceutical association 338
Lamont, W. H., hot soda hints.539
Lambert, Samuel H., portrait ..236
Language 316
La Pierre, E. H., portrait.....390
Larkspur, tincture of..... 62
Lascoff, J. Leon, on the proper method of making saturated solutions 324
Lasiosiphon, constituents of....147
Lassar's paste 370
Lattimer, George W., portrait..502
Laudanum, Sydenham's 62
Laundry starches and glazes ...194
Lavender toilet water 333
Law and the pharmacist 321
Maryland 44
Lawang oil 353, 438
Laws, food and drug 424
for uniform registration in New England 78
Leaves, preserving natural 487
Legal aspects of pharmacy, Henry M. Friedman 321
Legislation, national 6
Lemberger, Joseph L., portrait.307
Lemonade and fancy drinks.....346
Library, circulating, in the drug store.....146, 234, 273, 338
License, revocation of 323
Licorice the oldest candy in the world 479
Liggett stores, a rival for 505
Light, influence of, upon the enzymes 110
or lights 136
Lilly, J. K., portrait 82
Liniment, chloroform, estimation of chloroform in.....378
Liniments, veterinary 436
Linthicum bill 34
Linseed oil, solubility of sulphur in 435
tests 7
Liquid metal polish 283
veneer furniture polish 283
Liquor picis carbonis..... 11
Liquors, medicinal preparations classified as 461
Lister, Lord, obituary 99
Lithium, potassium and caffeine, alkaline granular effervescent 145
formate 354
Littlepage bill 34
Lodian, L., on the candy chemist 428

PAGE

Loeb, Morris, obituary.....458, 488
Long Brothers' Store, Chicago 289
Long Island Drug Club.....266
London drug market..185, 236, 329
Lopez, Senor Rafael, portrait...166
Lo Pinto, Joseph, portrait.....304
Lotio alba 11
Lotion, red 11
sunburn 284
white 11
Louisiana association 263
meets 208
registered in....32, 128, 267, 546
Louisville, telephone trouble in.504
Lovis, Dr. H. C., portrait..... 85
Lowe, John W., portrait.....416
Lynn, Charles J., portrait..... 81

MacEwan, Peter, portrait 369
MacEwan, Peter, and George P. Forrester on variations in the activity of certain drugs 369
McCormick, W. M., on form notice of judgment.....532
McFerren, Jeremiah D., portrait of 308
McKesson, Donald, portrait.....501
McMurtrie, David, portrait.....308
Machinists' soap paste 109
Magnesia as a substitute for platinum 488
Magnesium sulphate locally.....534
Magnus, Percy C., Jr., and his father 362
Magnus, Percy C., and his son 361
Mair, William, portrait 370
Makers of medicine, old time..148
Malted clamette 496
milk 346
Mansfield, William, on klip buchu 277
Mantles, gas, how to keep them bright 485
Market, drug and chemical 46, 93, 220, 314, 418, 464
London drug.....185, 236, 329
Marking ink for linen 11
Marmola 485
Martin, Charles S., portrait.....502
Maryland board 286
food and drug law.....543
administered in 45
pharmaceutical association ..464
registered in 208, 256, 506
university commencement 312
Mason, Harry B., on twenty-five druggists and their incomes 477
Mass, phosphorus, 1 percent....370
Massachusetts pharmaceutical association 311
poison law, the new 464
registered in 299, 506
Massage cream, rolling 110
Massoi bark 353
Matris secale extractum 17
Mayo, Caswell A., portrait 387
Mayatone 185
Medical corps, royal army 241
Medicated soft drinks, G. W. Hoover 480
Medicinal leaves and herbs, bulletin of 105
plants and drugs, report on—L. H. Lebler 480
growing 522
Medicine cabinets, medicine in..105
money in 106
chests, how I made money in..199
its relation to pharmacy 322
Medicines, the makers of 51
oldtime 148
Melba frappe 281
Mendelism, Punnett's 5
Mendez, Lumen, on pharmacy as a profession in Porto Rico 430
Menthol, compound or mentholated snuff 432
toxic effect on infants 326
valerate 336
Mentzer, Harlan J., portrait....307
Menu, hot soda 446
Mephitis, oil of 8
Mercuric chloride, solubility in oils 531
Mercury petroxolin 8
Merrill, E. C., a study of the lead number of asafœtida and allied products 481
Merritt, Henry W., portrait 407
Metal polish, liquid 283
saponaceous 108
polishes 108
surfaces, cleaning 485
Metals, priming, for paste or varnish 432
Methyl acetone, acetone, etc., assay of alcoholic preparations for 479
Methylene-blue test for cancer..151
Meyer, Theodore F., portrait...500

PAGE

Metz, Herman A., portrait sketch 507
Michigan, registered in ...208, 382
Micro-analytical work for pharmacists 140
Milk drinks 346
sterilization of by ultra violet rays 147
why does it sour in a thunder storm 316
Miller, R. A., portrait.....401
Miller, Dr. Rudolph W., portrait 501
Milwaukee convention of the N. A. R. D. 407
Minarcik, Charles, on how I make money on my own circulating library 234
Minnesota pharmaceutical association 310
registered in 79, 208
Minnesota university school of pharmacy 522
Mirrors, flexible, for show windows 293
Miscellaneous formulas 62
Mississippi pharmaceutical association 166, 311
registered in 167, 499
Valley wholesale druggists' association 128
Missouri pharmaceutical association 310
registered in 32
Mitin 243
Mittelback, Dr. William, portrait 310
Molwitz, Ernest, obituary 132
Morphine, estimation of 482
cooperative results of, H. E. Buchbinder 481
Morrisson, James W. 500
price of death.....531
Mosquito preventives 332
Mott amendment 262
Mucasene 488
Muir, Dr. William, in memory of 216
memorial bronze for.....313
Municipal chemistry, Charles Baskerville 148
Murray, A. G., on estimating nitroglycerin in tablets 481
Musk, solvent for artificial 244
Mustard, Whitehead's spirit of..377
Myers, Franklin, on how to make display cards 492

Nabisco frappe 281
Names, dangerous similarity in 93, 420
Narcophin 437
Narcotic drugs, interstate sale of 366
Nashville dealers eliminate graft advertising schemes 506
National association of boards of pharmacy 401
of Manufacturers of Medicinal Products 80
retail druggists' Milwaukee convention 407
executive committee meeting.543
Formulary, proposed preparations of 8
Museum collection of drugs.506
pharmaceutical society smoker 86
wholesale druggists' association 500
Naval pharmacists, higher rank for 368
Navy, British, pharmacy in the.425
Nebraska pharmaceutical association 311
registered in 464, 542
Negatives, photographs, etc., transferring 376
stock solution for stripping...376
Nelson, E. H., portrait..... 81
Nelson, E. K., cooperation work on the determination of camphor 481
Newcomb, Edward L., Minnesota school of pharmacy.....522
New England, for uniform registration laws in 78
New Hampshire, registered in.. 78
New Jersey association 263
registered in 256, 382
retail druggists 32
New Mexico, registered in 32
New remedies 12
New York board of trade and transportation 40
questions 298, 381
branch of the A. Ph. A. 216, 266
A. Ph. A. elects officers.... 39
College alumni 40
pharmaceutical conference and telephones 1
registered in 167
retail druggists association 86, 90, 176, 506

PAGE

New York state board of pharmacy 304
pharmaceutical association..301
to raise the standard of pharmacy laws in 360
Niemeyer's pills 11
for phthisis 62
Ninth revision of the United States Pharmacopœia, Joseph P. Remington 275
Nitroglycerin, estimation of....152
in tablets, estimating, A. G. Murray 481
Nixon, C. F., the tentative opium decision 112
Nordica bath salts....527
Normal saline solution 335, 439
North Carolina pharmaceutical association 310
registered in 32, 312, 544
North Dakota, registered in....297
Norton's, Mrs., pharmacy, Birmingham, Ala. 118
Notes, Queries and Answers 108, 149, 153, 193, 243, 486, 514
Notices of judgment, headings of 422, 532
Noviform 437

Obituary: Charles Hoyt Bangs.458
Jacob Baur 360
J. Arthur Bean 509
Henry Biroth 265
Frank Bolle 223
George Dart 265
Thomas Doliber 312
Edwin Douden 459
William H. Ebbitt 510
Henry B. Fairchild 265
Frank A. Faxon 458
William Scott Gerity 265
Mrs. Jesse Sophie Hirseman.132
Mrs. Carrie E. Howard.... 42
Edward J. Kiepe....544
Lord Lister 99
Morris Loeb 458
Ernst Molwitz 132
Dr. Enno Sander 132
Edward C. Spurge....544
A. H. Tatum 459
Judson B. Todd....132
George Vallois 510
Henry Weimar 361
Florence Yaple 509
O'Connor, Charles D., on a treatise on commercial pharmacy 179
Odenwalder's A. G., pharmacy, new fountain in 164
Odors of perfumes, weighing...153
Ohio pharmaceutical association 355
registered in 32, 499
Oil, animal 377
castor, tasteless 333
cedar wood 285
clock 243
lawang 353
linseed, solubility of sulphur in 435
linseed test for 7
mephitis, Weil on 8
of peppermint, sources of 331
seal 151
skunk, constants of, Weil on. 8
sweet, what is 96
turpentine, test of 438
Oils, eucalyptus, novel use for.144
Ointments, absorption of 19
Ointment, cuticura 335
Oklahoma association 264
registered in..128, 208, 382, 499
Old time makers of medicine, James J. Walsh 148
Oldfield bill 315
opposed 450
Onguent royal 377
Opium bills 260
revised, Harrison 360
decision, the tentative 50
tentative, C. F. Nixon ...112
digitalis and quinine, pills of 62
insoluble matter in U. S. P. powdered 376
regulation, the tentative 98
sources of 331
and tannic acid suppositories.334
with saffron, tincture of..... 62
Orders vs. promises, Earl D. Eddy 160
Orris, sources of 331
Otto of rose, sources of 331
Oxygen, nascent and iodine, practical methods of administering inhalations of 378
toilet powder 332

Painless pencils of copper sulphate 286
Paper testing, for ink fastness..152
Papyrus Ebers, the 471
Paracelsus, French translation of 366
Paraffin, coloring 432
Paraform 436

PAGE

Parcels post, amendment to, urged 454
a benefit to the retail druggist, Frederick F. Ingram.474
and the druggist 134, 452
how to profit by 420
postponed 270
problems 270
zone map 453
Parfaits and parfait serving....203
Parnotis 485
Passion flower, tincture of..11, 52
Paste, cleansing soap 109
economical photographic 63
machinists' soap 109
Patent bill opposed, Oldfield...450
law amendment 315
decision, important 316
rights, infringement of..... 66
Patentee a monopolist 99
Patenting pharmaceutical apparatus 67
Payne, George F., portrait.....390
Peach syrup, concentrated 347
window, suggestion for 347
Peaches, crushed 347
serving at the soda fountain.347
Pease, A. V., portrait 388
Pencils, aluminum, for china...428
Pensions for teachers 82
Pennsylvania association 307
board questions 298, 381
pure food and drugs laws sustained 457
registered in..128, 299, 459, 464
Pepsin, essence of, turbid.....377
in liquids, the determination of small quantities of, V. K. Chesnut 481
and sodium salicylate.....530
recin test for 149
Percentage solution 530
table for making....282
Perfume from kerosene 144
Perfumes, weighing odors of....153
Perfumers', manufacturing association of the United States 168
Perfumery for jewelry 479
Perkin, Prof. W. H., portrait 325, 403
Permanganate test for cocaine..153
Personality of the salesman 339
Perspective, getting a 273
Perspiration, deodorant powders for 335
Persea pubescens 428
Pertinacity a factor in success..468
Petrox, camphorated chloroform 8
iodine 285
Petroxolin, cade 8
camphorated phenol 190
compound sulphur 190
eucalyptol 8
guaiacol 8
iodine 8
iodoform 190
liquid 8
menthol 190
mercury 8
methyl salicylate 190
naphthol 190
phenol 190
salicylated 190
solid 190
sulphur 190
tar 190
venice turpentine 190
Pharmaceutical faculties, conference of 400
Pharmacopœia, homeopathic, recognition 84
ninth revision of the United States 275
Pharmacists, compensation of..323
Pharmacist, the outlook for the.135
reflections of a 144
Pharmacy, eighth international congress of 451
European, a financial crisis in.318
homœopathic 231
in the British army....239
navy 425
students, plant chemistry for. 14
Phenylethylbarbituric acid 437
Philadelphia association elects officers 43
drug exchange dines.... 87
ice cream 297
Philippine Islands, board questions in 166
Phosphates, influence of on alcoholic fermentation 145
Phosphorus mass 1 per cent....370
Photo trade, catching.... 28
Photographic goods, selling..... 65
paste, economical 63
Photographs, negatives, etc., transferring 376
Physician, what the, has to say to the pharmacist, Robert A. Hatcher 229
Physiological testing, E. M. Houghton....7, 60, 141
Physostigma, chemistry of.....111

PAGE

Picis carbonis, liquor..... 11
Pictric acid for preventing vaccination infections....238
Pills, gout and rheumatism.....529
Pin holes as evidence....372
Pipettes, valve for....488
Pittsburgh A. Ph. A. elects officers 79
Plan, floor of Hottinger's drug and truss company's store..247
for store 191
narrow drug store....162
wide store 162
Plant chemistry for pharmacy students 14
principles, recent researches on 146
Plaster of Paris cement, waterproof 285
Platinum, magnesia as a substitute for 488
new source of 488
Plaut, Albert, drug markets of the world 58
portrait 404, 500
Poison bottles of Great Britain, 104
ivy infection, remedies for....377
laws of Pennsylvania inadequate 516
rat 486
Polish, brass 108
furniture 243
liquid veneer 283
liquid metal 283
saponaceous metal 108
Polishes, metal 108
Polishing cream, silver....108
Politeness, endowing chair of, in colleges of pharmacy.....516
Politics in the store..... 96
Pomegranite, a new test for....112
Poppy capsules, syrup of..... 62
Porto Rico, pharmacy as a profession in, Lumen Mendez.430
Potash supply 2
Potassium, new source of.....282
bromide, granular effervescent 145
formate 354
iodide, purifying discolored...194
salts, a new source of..... 12
Powder, astringent, face.....529
dusting, for tired feet.....332
Powders, deodorant toilet.....332
Practical salesmanship, Frank Farrington 339
Prescription business, advertising 9
ownership of....322
Prescriptions, method of handling 9
record card for.... 9
Preservative medium, a new, for museum specimens 13
Preservatives for canned vegetables 66
Presidents, A. Ph. A.....317
Price regulation 133
Primal 245
a new harmless hair dye..... 19
Priming metals for paste or varnish 432
Principles, plant, recent researches on....147
Profit, gross, delusion and snare.246
Profits, figuring 270
Proprietary association meets in Baltimore 214
medicines, British attack on..484
in the Argentine....464
names, basis for.....483, 531
Publication of the formula..... 20
Pulsatilla, tincture of..... 62
Pulvis purgans 336
Puckner, W. A., nomenclature of proprietary preparations.531
Punnett, on Mendelism..... 5
Pyrogallol in hair dye, estimation of 153
reaction of 437
stains, removing 283

Quality in soda supplies.....120
Questions, catch....421
Questions and answers board, 19, 32, 77, 127, 207, 255, 298, 381, 407, 540
Quinine, capsules of ammoniated tincture of 15
hair tonic 15, 151
used chiefly by Americans....196
Quinola 485
Quo vadis 225

Ramona stachyoides 427
Ramsay, Sir William, portrait 406
Ramsperger, Gustave....180
Rat poison....486
Raubenheimer, Otto, board questions and answers..... 20
modified formula for arsenic antidote....276
portrait 404
Read, no time to....467

PAGE

Recipes, books of German.....194
Rectifiers tax on pharmaceutical stills 3
Red coloring for soda syrups.. 16
lotion, Haye's 193
wash 11
Reed, N. F., portrait 355
Reflections of a pharmacist, Wilhelm Bodemann 144
Refractive indices of aqueous solutions of ethyl and methyl alcohols, B. H. St. John 482
Reiman, George, portrait.....304
Remington, Joseph P., birthday celebration of 176
birthday dinner for.....132
on ninth revision of the United States Pharmacopœia 275
portrait 371, 403
on progress of the revision of the United States pharmacopœia 371
Resorcin and menthol hair tonic 432
Revision of the United States pharmacopœia, progress of 371
Revocation of license....323
Rexall convention, tenth annual 454
Rheumatism pills 529
Rhode Island, registered in..... 79
Rhubarb, the constitution of....107
Ribbons, inking typewriter..... 17
Rice's burn remedy....531
Richardson bill 34, 179, 269
amended 211
the new 359
Richardson, W. S., portrait.....414
Ricin test for pepsin....149
Riker-Hegeman consolidation... 45
merger 84
Ritchey, William P., portrait...500
Roach paste, sulphur....244
Roberts bill 34
Rosengarten, George F., portrait 404
Rothwell, Walter, on pointers on fire insurance....433
portrait 433, 414
Royal onguent 377
Rubber, new solvent for.....285
goods, preservation of.....318
statistics of the world.....328
stoppers, making holes in....489
Rusby, Henry H., portrait.....390
Rust, to prevent screws from setting by 485
Ryan, Edward H., portrait.....508
Ryan, Frank G., portrait..... 80

Saalbach, Louis, portrait.....307
Saccharine, use of in food forbidden 170
Sadtler, Prof. S. P., portrait...403
Sage, wild, plant of....427
St. John, B. H., on a comparison of values obtained for the refractive indices of aqueous solutions of ethyl and methyl alcohols.....482
St. Louis association, officers of the 84
druggists oppose reduction of telephone commissions 37
Sala, A. F., portrait.....401
Salesman, the traveling.....160
Salesmanship, practical 339
Salicylated suet 11
Salt in ice cream....474
Salts, effervescent ,formulas for.145
bath 527
Samuels', John J., store.....289
Sanatogen case appealed.....508
Sander, Dr. Enno, obituary.....132
Sanocalcin 437
Santonin, new adulteration of...245
Saponification index of dark oils, to estimate the.....437
Sarsaparilla, sources of.....331
Sartoin 485
Saturated solutions, making, J. Leon Lascoff 324
Saw palmetto and santal, tincture of 62
Scavo, John, portrait.....304
Schieffelin, William Jay, portrait 502
Schilling, J. M., portrait.....308
Schlesinger, L. J., portrait, 302, 304
Schneider, Prof. Albert, portrait 139
Schoenfeld, Samuel, portrait....304
Schools, pharmacy, in New York 101
Schuehle, M. C., portrait.....308
Schluesselblumen 336
Schweiter, Dr. Hugo, portrait... 81
Screws, to prevent, from setting by rust....485
Seabury, George, a grandson of, killed 87
Seal oil 151

PAGE

Sealing wax for bottle tops..... 67
Searby, Dr. William M., tablet to the memory of..... 79
Sears, C. B., portrait.....302
Seasonable formulas 332
Seidell, A., portrait.....403
Selzer, Leonard A., portrait.....388
Sem. oculi, what are.....193
Senna case 262
sources of 351
Sevum Salicylatum..... 11
Shaving cream 377
soap powdered 528
Sheeting, apricot.....429
bread 428
Sherley bill 34
amendment 467
Shiohara. M., dinner to.....451
Shop Shots, Farrington..... 24
Show cards and show card writing, F. T. Gordon, 74, 113, 201
cases, plate glass, the care of.331
windows, flexible mirrors for.293
Shuptrine, H. C., portrait.....408
Siccoliment 12
Siegfried, Howard J., portrait..307
Sign advertisement, largest in the world 158
Silicic aciid, soluble.....529
Silver polish, liquid.....283
polishing cream.....108
Similarity in pharmaceutical names 95, 420
Smith, Frank W., portrait..... 88
Snuff, mentholated 432
Soap paste, cleansing 109
machinists' 109
powder, quick lathering.....528
Soda advertising 31
business, building up.....119
counter, fresh blackberries at.349
dispensing counter, a good....161
fountain...76, 101, 295, 445, 539
advertising 211
cards 163
crackers at 538
the color line at the..... 42
formulas 165
in the drug store.....280
a money maker..... 97
the neighborhood 122
a product of the retail druggist 96
tell people what is served at 227
hot, question....42, 161, 295, 344, 379, 538
supplies, quality in.....120
trade, quality 205
water 250
making the start in, Ed. Ward.....42, 161, 295, 344
success 121
tank explosions, cause and prevention of 348
Solution, Benedict's 110
chart 192
coal tar 11
normal saline 335
Solutions, percentage, table for making 282
saturated, making 324
Sophol 12
Sorghum, candy, crude sun-dried 429
Soudan, Anglo-American research laboratory 14
South Carolina pharmaceutical association 362
registered in 167, 361
Sparteine, a new remedy for....378
a reaction of.....437
Species, origin of..... 5
Spirocheta stain, a new.....152
Sponge fisheries 314
to protect 463
industry, Florida's 3
Sponges, Florida 25
a very profitable sideline, 25, 26, 27, 28
Springfield association holds banquet 178
Spun ointments 337
Spurge, Edward C., obituary...544
Squier, F. H., portrait.....501
Squills, strophanthus and digitalis, keeping qualities of..353
vinegar of, why filtered while hot 111
Stahl, Adolph, portrait.....304
Stain, spirocheta, a new.....152
Stains, grass, to remove.....333
pyrogallol, removing 283
removing fruit 332
Stallman, J. H. Z., portrait....236
Standardization of ergot.....334
Starches and glazes, laundry....194

PAGE

Stationery line, advertising in the 197
money in.....134
a paying side line.....114
Stearns, Frederick K., portrait.. 82
Steel, etching fluid for damascening 149
gold plating 534
Stenosine 12
Sterile, is bread.....196
Sterilization, indicator for.....243
practical methods of.....434
Sterling, George, The Apothecary's 53
Stills, rectifiers' tax on pharmaceutical 3
Stone, Clarence G., portrait.....501
Stoppers, rubber, making holes in 489
Store management, odds and ends of 71
plans for 162, 163, 191
the full.....419
Storm glasses, fluid for.....284
Strawberry window display, suggestion for 253
Strong, Samuel E., portrait.....502
William B., portrait.....502
Strophanthus, digitalis and squills, keeping qualities of.353
Students, advice to.....532
Sturmer, J. W., Prof., portrait.314
Subacetal 12
Suburban business, building up a 75
Success, pertinacity a factor in.468
Sugars, new method for estimating reducing 110
Suicide and suggestion.....224
Sulfosol 12
Sulphoform 12
Sulphur production in the United States 16
roach paste 244
solubility of, in linseed oil...435
Sulphur, Troy 528
Sultan, Fred W., portrait.....501
Summer ills, remedies for.....333
Sunburn lotion 284
Sundaes 346
pineapple 165
Sunday magazines, errors in.....468
Sundries, fountain.....345
Suppository machine, a German. 65
mass for hot climates.....334
masses, two troublesome.....334
Suppositories, camphor.....111
Suprarenin, synthetic 112
Surgeon, ship's, qualification for 245
Surgeons, congress of.....470
Swaab, jr., Mayer M., portrait..268
Sweeping compounds 149
Sweet oil, what is..... 96
Swift, E. G., portrait.....503
Symington, James A., autobiography of a druggist, 9, 64, 106, 146, 190, 239, 280, 317, 374
Syphilin 12
Syrup of ammonium hypophosphite 62, 370
concentrated peach 347
of iodo-tannin, sirup iodotannique 432
of poppy capsules.....62
room, the 344
Syrups, red coloring for soda.. 16
why they spoil.....270
System in arrangement of drug store stock 289
Sydenham's laudanum 62

Taeffner, John, portrait.....308
Taft, president, model address by 368
Talbott bill 34
Talcum window display, suggestion for 159
Tamarind laxative 487
Tampol-Roche 12
Tamulceon 12
Tanargentan 12
Tanner, T. Bernard, portrait sketch 360
Tannic acid 193
and vegetable extracts in suppositories 334
Tariff revision of drugs and chemicals 513
Tattoo marks, removing 487
Tatum, A. H., obituary 459
Tax, rectifiers, on stills..... 3
Taylor, E. D., fifty years in the drug trade 50
portrait 503
Telephone commission, increased.97
matters in New York..... 83

PAGE

Telephone situation, the N. Y...1, 377
terms, better 131
Tennessee pharmaceutical associations convene 355
Terpenes, history and chemical relations of the 325
synthesis of the.....325
Terpineol and terpinol.....194
Terpinol and terpineol.....194
Texas board, question of.....540
pharmaceutical association....309
registered in 299
Thanksgiving window 491
Thermometers, instrument for shaking down 328
Thiacol and guaiacol, differentiation between 282
Thiopetrol 12
Thiorubrol 12
Thiosterin 12
Thorpe, Sir Edward, a dictionary of applied chemistry, 180, 489
Tilden, Sir William A., portrait 325
Tinctura persionis alcoholica.... 11
Tincture, alcoholic, of cudbear. 11
of cactus grandiflorus..... 11
cocculus indicus 62
fish berry 62
larkspur 62
opium with saffron..... 62
passion flower 11, 62
pulsatilla 62
saw palmetto and santal.... 62
Titles, description not subject to trade marks 138
Todd, Judson B., obituary.....132
Toilet cream, cucumber.....332
difficulty with 435
witch hazel 332
powders, deodorant 332
water, lavender 333
Toms, J. E., portrait.....500
Tonic, hair 15, 150, 432
Toothache drops 487
Tooth brush display, effective...198
brushes, disinfecting .....
Trade marks, 100,000.....134
and copyrights 18
descriptive titles not subject to 138
paper's value, the, Frank Farrington.....154, 155, 156
Tribrom-betanaphthol 12
Trigemine 12
Trikresol dental disinfectant.....141
Trioxymethylene 435
Triphenylstibine Sulphide 12
Troy, sulphur of.....528
Trypanocides 12
Tungsten, ductile 489
new uses for.....485
Turpentine, the manufacture of.102
Tutti-frutti frappe 281
Typewriter in the retail drug store 117

Ultra violet rays, sterilization of milk by 147
Ultra-Zeozon 12
Umney, John C., on essential oils; their constitution and commerce 325
portrait 325
sketch of 350
United Drug Company, Limited, in England 36
United States pharmacopœia, progress of the revision of.371
Uralysin, composition of.....338
Uranalysis for pharmacists..... 12
Uric acid in the blood, estimation of 338
Urn, electric 447
three compartment 380
Utech, P. H., portrait.....386

Vacation time 269
Vaccination infections, picric acid for preventing...238
Vaccines, bacterial 353
Validol 285
Vallois, George, obituary.....510
Vegetables, preservatives for canned 66
Veneer, liquid, furniture polish.283
Ventilation in the drug store...465
Vermont, registered in.....78, 208
Verophene 12
Vichy salt, granular effervescent artificial 145
Vinegar, Enzymes in..... 10
of squills, why filtered while hot 111
testing strength of..... 68
Virginia druggists hold meeting 355
pharmaceutical association....355
registered in 78, 499
Visalban 12

PAGE

Wall, John R., portrait.....304
Walker, R. H., portrait..401
Wallace, John C., portrait.....386
Walsh, James J., on old time makers of medicine 148
Ward, Ed., on the hot soda question 379
on making good with a hot water urn 445, 495
the start in soda water, 161, 295, 344
Wart acid 11
Wash, red 11
Washington, registered in..... 79
state board of pharmacy, educational requirements changed in 79
pharmaceutical association..306
Washington's Birthday window, Humphries 72
Water, lavender toilet.....333
Waterproof plaster of Paris cement 285
Waterproofing fabrics 13
Wax, floor, and polish.....109
sealing, for bottle tops..... 67
Weaver, Edward, portrait 308
Webb bill 135
Weeds, chemicals for killing....245
Weil, Monroe H., on skunk oil 8
Weight amendment, food and drugs act 262
Weights and measures, standardized 420
Weimar, Henry, obituary 361
Westchester County association elects officers 86
Wheeler, Arthur, portrait.....238
Henry, portrait 238
Whelpley, Dr. H. M., portrait, 310, 356, 384
White lotion 11
Whitehead's spirit of mustard..377
Whitening bone articles.....140
Whisk broom window display.. 29
Whiskey decolorizing darkened.528
Wickersheimer's fluid 13
Wiley, Doctor Alsberg to succeed 512
as a journalist.....172
out 95
Wiley's successor 469
Williams, Dr., eye water..435, 512
Ed. E., on day dreams.....314
Edward, portrait 408
Williamsburg retail druggists' association 86
Wilson, Henry D., on candy as food 120
Oliver F., portrait.....308
Window card, a modern..... 24
display 441
color in 491
historical 294
an index of the character of the store 349
specializing in, Felix J. Koch 198
suggestion for a strawberry.253
talcum 159
tooth brush 198
displays for druggists, 72, 159, 293
English view of American.119
motion in 159
dressing, color harmony in... 29
dressings, fireproofing 249
an Easter, W. A. Humphries 129
glass, gilding 527
Thanksgiving 491
Washington's birthday 72
Windows, to keep from frosting, Cowan 72
ventilating old 73
Wisconsin board questions, 298, 381
registered in, 79, 208, 360, 499
pharmaceutical association ...311
Wiseman, Frank, portrait.....222
Witch hazel toilet cream.....332
window display of.....492
Withania somnifera, constituents of 147
Women's organization of N. A. R. D. 418
Wulling, Frederick J., portrait, 210, 522

X-Rays, protection against.....483

Yaple, Florence, obituary.....509
Yoghurt, the preparation of 438
Yuracithol 12

Zementpaste Dreuw 370
Zeozon 12
Zinc cream 530
Zykloform 12